PV combiner box for 1500 Vdc system

**PVS-16/20/24MH**

**EFFICIENT AND SAFE**
- 1500V-Specific PV fuse, both positive and negative terminal
- 1500V-Specific PV SPD with fault alarm
- String current and voltage monitoring
- Main load switch state monitoring (optional)

**FLEXIBLE**
- IP65 protection, meet the outdoor installation and usage requirements
- Self-powered power supply with lightning protection
- Output cable sectional area 120 – 400 mm² (max. 400 mm² Al cable)
- PG Gland / MC4 terminal connector
- Power line communication optional, saves communication cable cost

**QUALIFIED**
- Highly optimize the system wiring
- Modular design, easy and quick maintenance
- CE

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**Type designation** | PVS-16MH | PVS-20MH | PVS-24MH
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**Parameters** | 1500 V | 1500 V | 1500 V
Max. PV string voltage | 16 | 20 | 24
Max. PV string parallel inputs | 16 A / 20 A | 15 A / 20 A | 15 A / 20 A
Rated fuse current for each string (replaceable) | 240 A | 240 A | 240 A
Switch disconnector | 400 A | 400 A | 400 A
SPD | 1500 Vdc Type II | 1500 Vdc Type II | 1500 Vdc Type II
Input terminal type | PG Gland / MC4 terminal | PG Gland / MC4 terminal | PG Gland / MC4 terminal
Output terminal type | 120 – 300 mm² | 120 – 300 mm² | 120 – 400 mm²
Protection class | IP65 | IP65 | IP65
Environment temperature | -40 °C to 60 °C | -40 °C to 60 °C | -40 °C to 60 °C
Environment humidity | 0 – 95% | 0 – 95% | 0 – 95%
Dimensions (W*H*D) | 930*730*260 mm | 930*730*260 mm | 930*730*260 mm
Weight | 38 kg | 44 kg | 44 kg
Switch-disconnector handle | Internal handle | Internal handle | Internal handle
Material | SMC Plastic | SMC Plastic | SMC Plastic
**Standard Accessories**
- DC main output load switch
- PV specific application SPD
- PV SPD-failure monitoring
- PV self-power supply for internal loads
- RS485 Communication port
- Current and voltage monitoring for each string

**Optional Accessories**
- Negative grounding
- Monitoring for load switch state
- PLC Communication port

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**PVS-8/12/16MH-DB**

**EFFICIENT AND SAFE**
- 1500V-Specific PV fuse, both positive and negative terminal
- 1500V-Specific PV SPD with fault alarm
- Specialized 2 in 1 fuse with favorable heat dissipation performance and compact size
- String current and voltage monitoring
- Main load switch state monitoring (optional)

**FLEXIBLE**
- IP65 protection, meet the outdoor installation and usage requirements
- Self-powered power supply with lightning protection
- Output cable sectional area 120 – 400 mm² (max. 400 mm² Al cable)
- MC4 connector

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**Type designation** | PVS-8MH-DB | PVS-12MH-DB | PVS-16MH-DB
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**Parameters** | 1500 V | 1500 V | 1500 V
Max. PV string voltage | 8 * 2 | 12 * 2 | 16 * 2
Max. PV string parallel inputs | 1500 Vdc Type II | 1500 Vdc Type II | 1500 Vdc Type II
Rated fuse current for each string (replaceable) | 30 A | 400 A | 400 A
Switch disconnector | 250 A | 400 A | 400 A
SPD | Type II | Type II | Type II
Input terminal type | PG Gland / MC4 terminal | PG Gland / MC4 terminal | PG Gland / MC4 terminal
Output terminal type | 120 – 300 mm² | 120 – 300 mm² | 120 – 400 mm²
Protection class | IP65 | IP65 | IP65
Environment temperature | -40 °C to 60 °C | -40 °C to 60 °C | -40 °C to 60 °C
Environment humidity | 0 – 95% | 0 – 95% | 0 – 95%
Dimensions (W*H*D) | 730*580*260 mm | 730*580*260 mm | 930*730*260 mm
Weight | 28 kg | 30 kg | 40 kg
Material | SMC Plastic | SMC Plastic | SMC Plastic
**Standard Accessories**
- DC main output load switch
- PV specific application SPD
- PV SPD-failure monitoring
- PV self-power supply for internal loads
- Communication port
- Current and voltage monitoring for each string

**Optional Accessories**
- Negative grounding
- Monitoring for load switch state
- PLC Communication port

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